

Title (en)
electrophotographic toner and method for producing the same

Title (de)
Elektrofotografischer Toner und Herstellungsverfahren dafür

Title (fr)
Toner électrophotographique et son procédé de production

Publication
EP 2439592 A1 20120411 (EN)

Application
EP 11182667 A 20110926

Priority
• US 38988610 P 20101005
• JP 2011177698 A 20110815

Abstract (en)
Disclosed is a decolorizable electrophotographic toner, including: a binder resin; and a colorant which contains at least a color developable compound and a color developing agent and is covered with an outer shell so as to have a capsule structure, wherein the number ratio of particles having an equivalent circle diameter of 0.6 μm or more and 2.5 μm or less of the toner when measured using a flow particle image analyzer after the toner is dispersed in an aqueous medium at a ratio of 0.08% by weight and the resulting dispersion is subjected to a stirring treatment in which stirring is performed at 5000 rpm for 30 minutes using a homogenizer (T-25 digital ULTRA-TURRAX (manufactured by IKA Japan K.K., provided with a shaft generator S25N-10G)) is 30% by number or less.

IPC 8 full level
G03G 9/08 (2006.01); **G03G 9/087** (2006.01); **G03G 9/09** (2006.01)

CPC (source: EP KR US)
G03G 9/0806 (2013.01 - EP US); **G03G 9/081** (2013.01 - EP US); **G03G 9/0812** (2013.01 - EP US); **G03G 9/0819** (2013.01 - EP US);
G03G 9/0827 (2013.01 - EP US); **G03G 9/08755** (2013.01 - EP US); **G03G 9/09** (2013.01 - KR); **G03G 9/0926** (2013.01 - EP US);
G03G 9/0928 (2013.01 - EP US); **G03G 9/093** (2013.01 - KR)

Citation (applicant)
• JP S60264285 A 19851227 - PILOT INK CO LTD
• JP 2005001369 A 20050106 - PILOT INK CO LTD
• JP 2008280523 A 20081120 - PILOT INK CO LTD

Citation (search report)
• [X] EP 2219081 A2 20100818 - TOSHIBA TEC KK [JP]
• [XP] EP 2341394 A1 20110706 - TOSHIBA TEC KK [JP]
• [XP] EP 2325700 A2 20110525 - TOSHIBA TEC KK [JP]
• [E] EP 2381314 A1 20111026 - TOSHIBA TEC KK [JP]

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Designated extension state (EPC)
BA ME

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EP 2439592 A1 20120411; **EP 2439592 B1 20180815**; CN 102445870 A 20120509; CN 102445870 B 20130807; KR 101366384 B1 20140224;
KR 20120035876 A 20120416; US 2012082928 A1 20120405; US 2015268571 A1 20150924; US 9500969 B2 20161122

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EP 11182667 A 20110926; CN 201110302084 A 20110930; KR 20110100784 A 20111004; US 201113251455 A 20111003;
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